

FIG. 1A

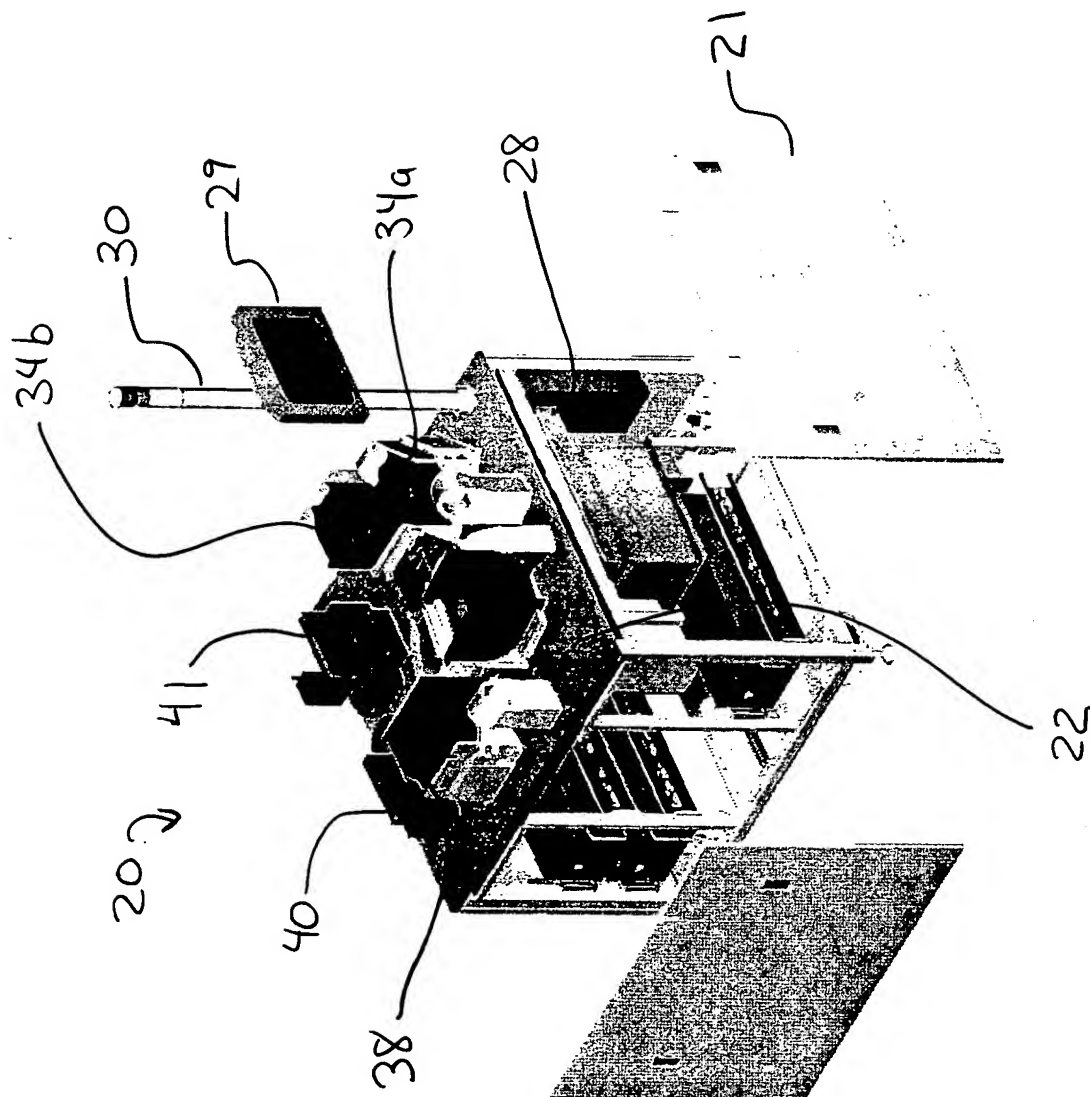


FIG. 1B

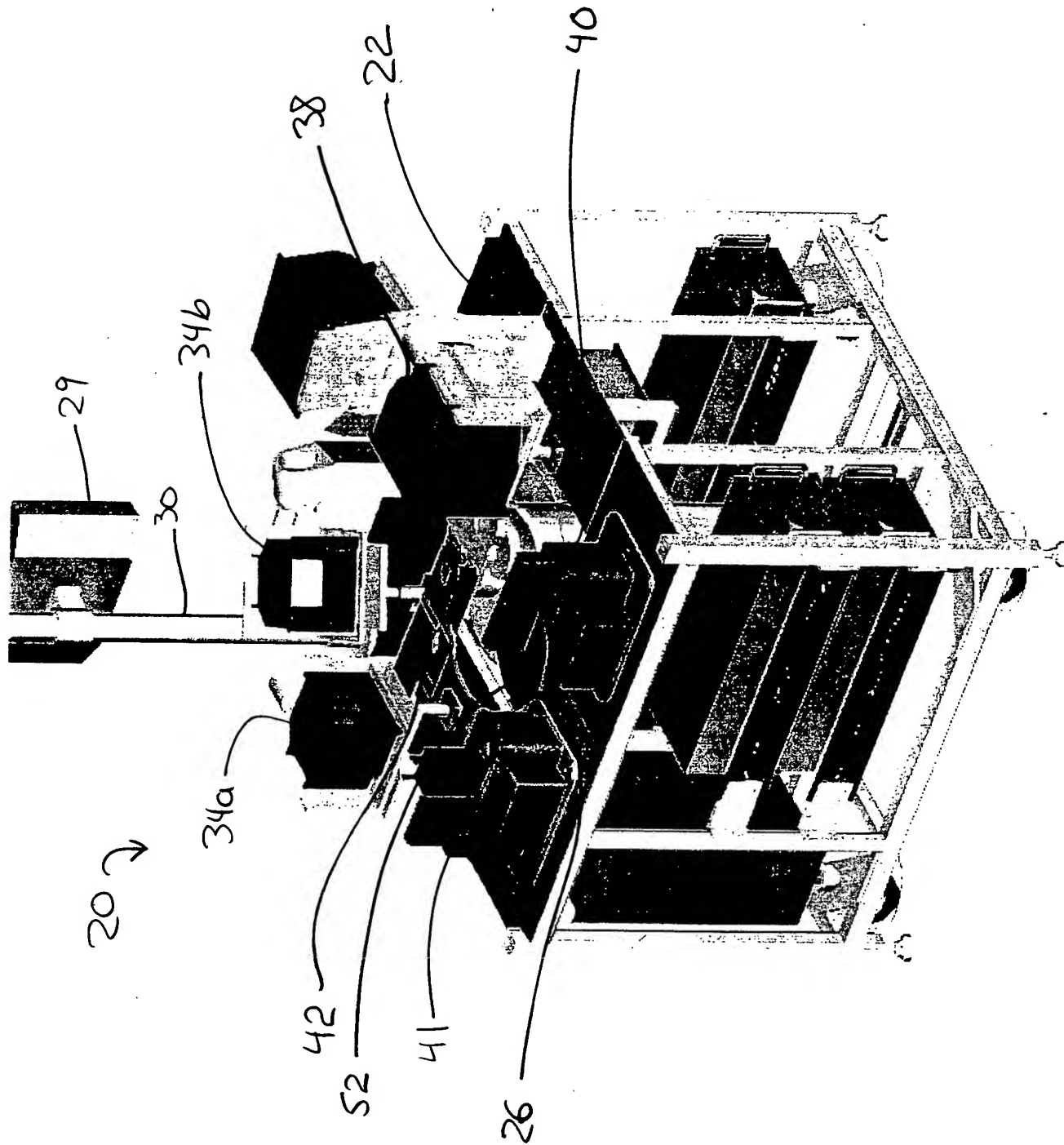
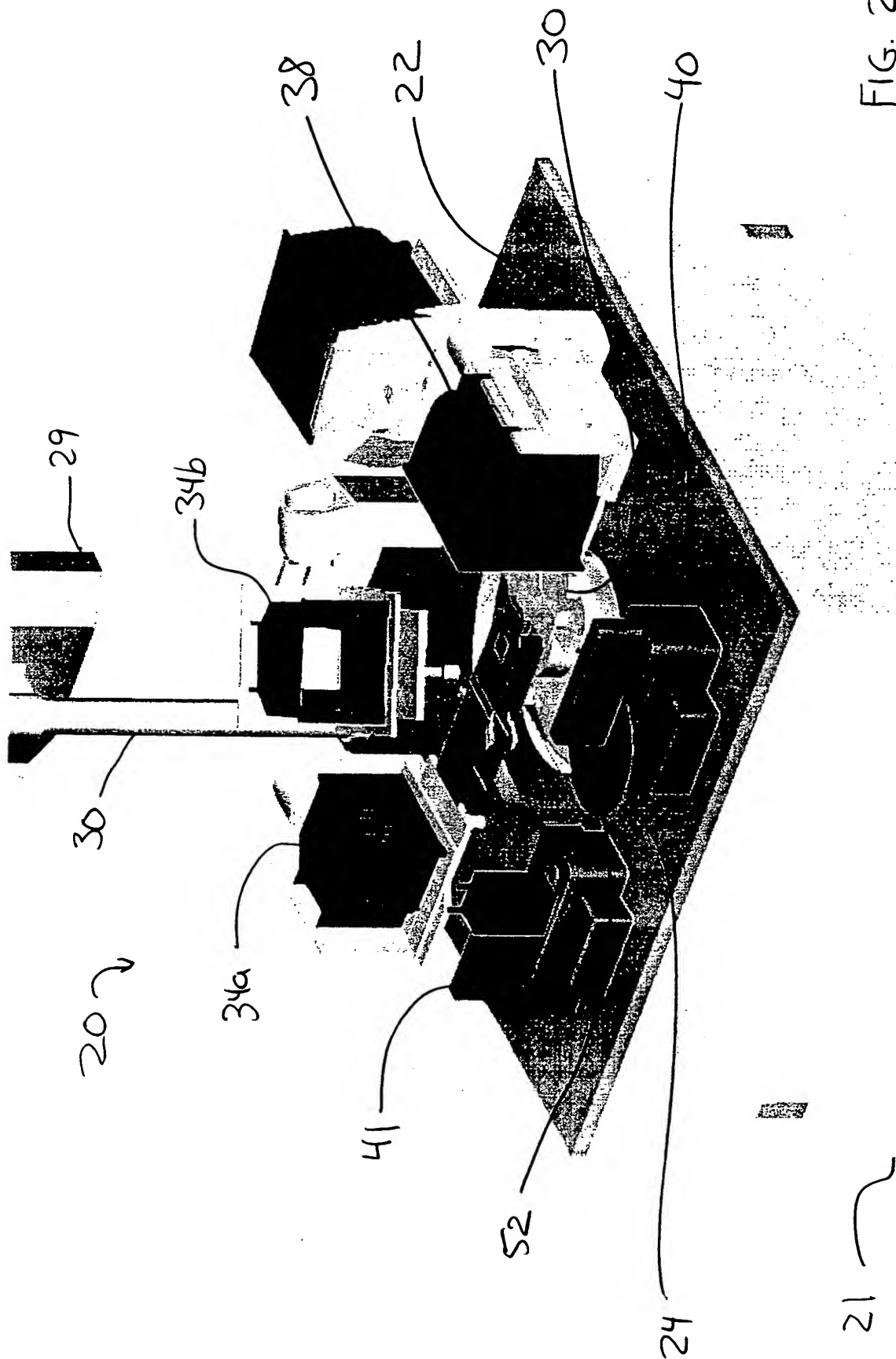


FIG. 2A



Matter No.: 05689-017001
Applicant(s): Preston Whitcomb
SUBSTRATE END EFFECTOR

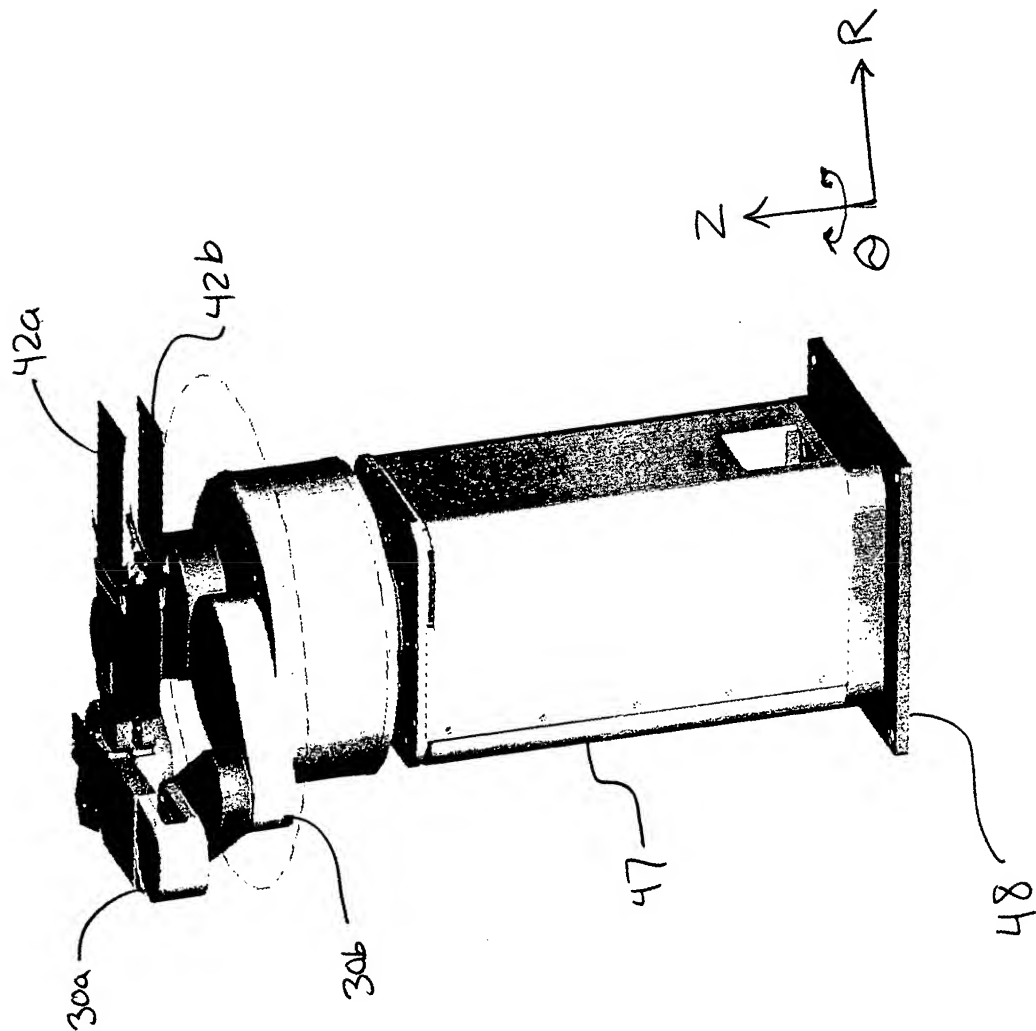


FIG. 3

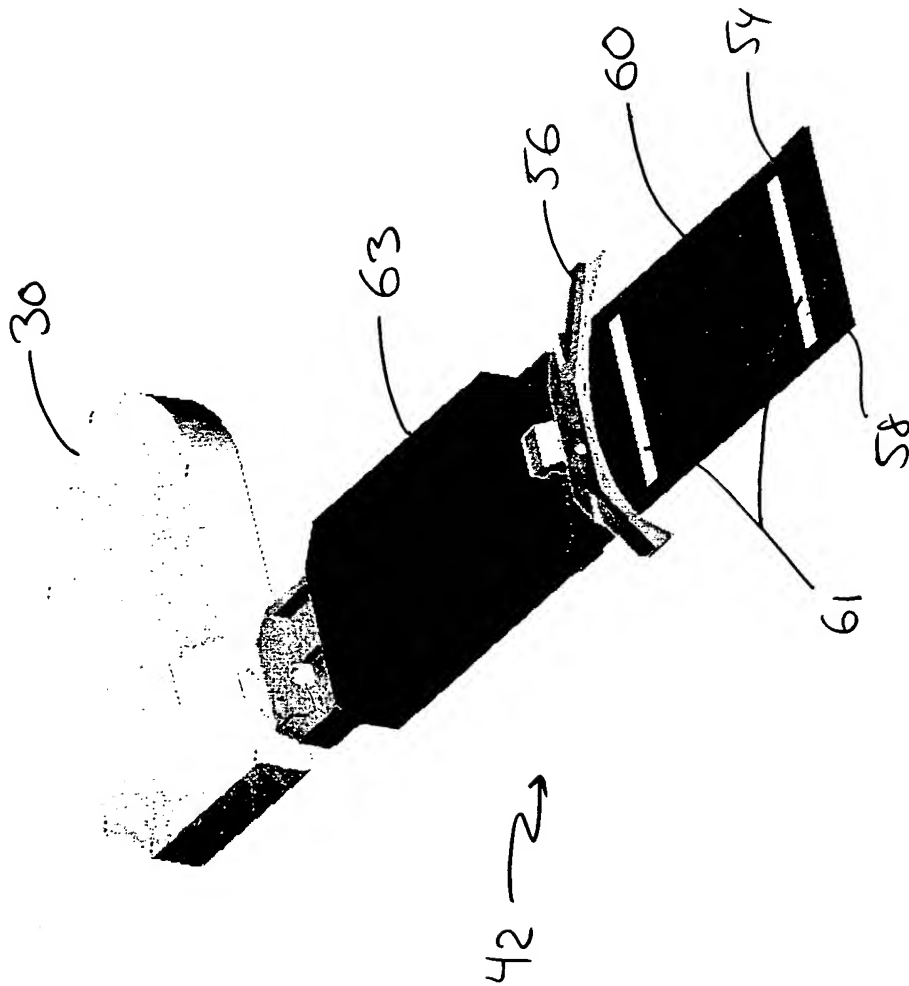


FIG. 4A

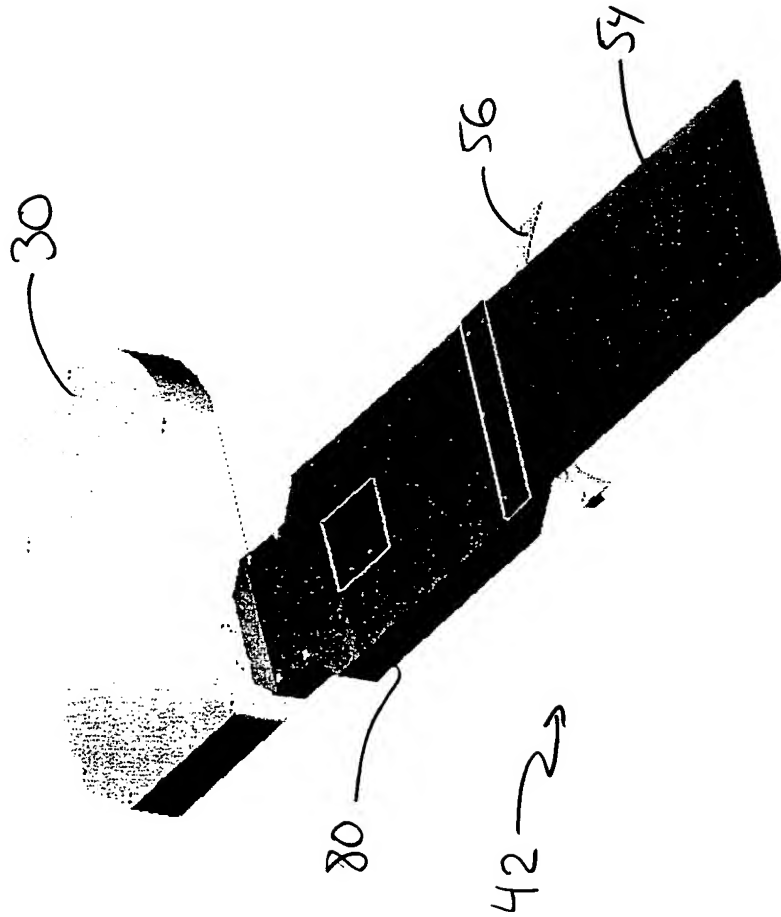
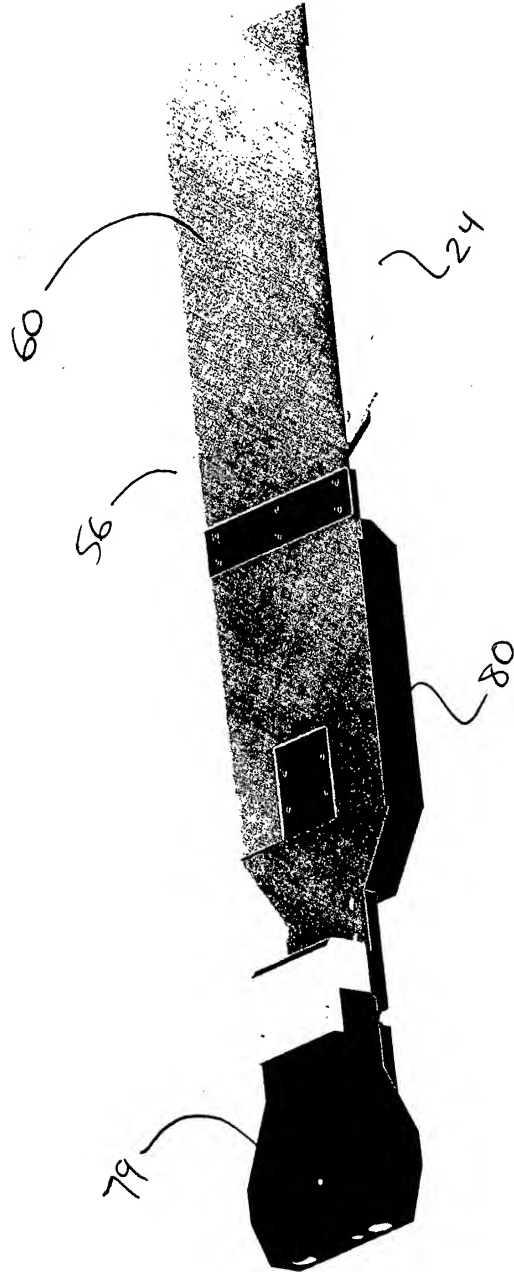


FIG. 4B



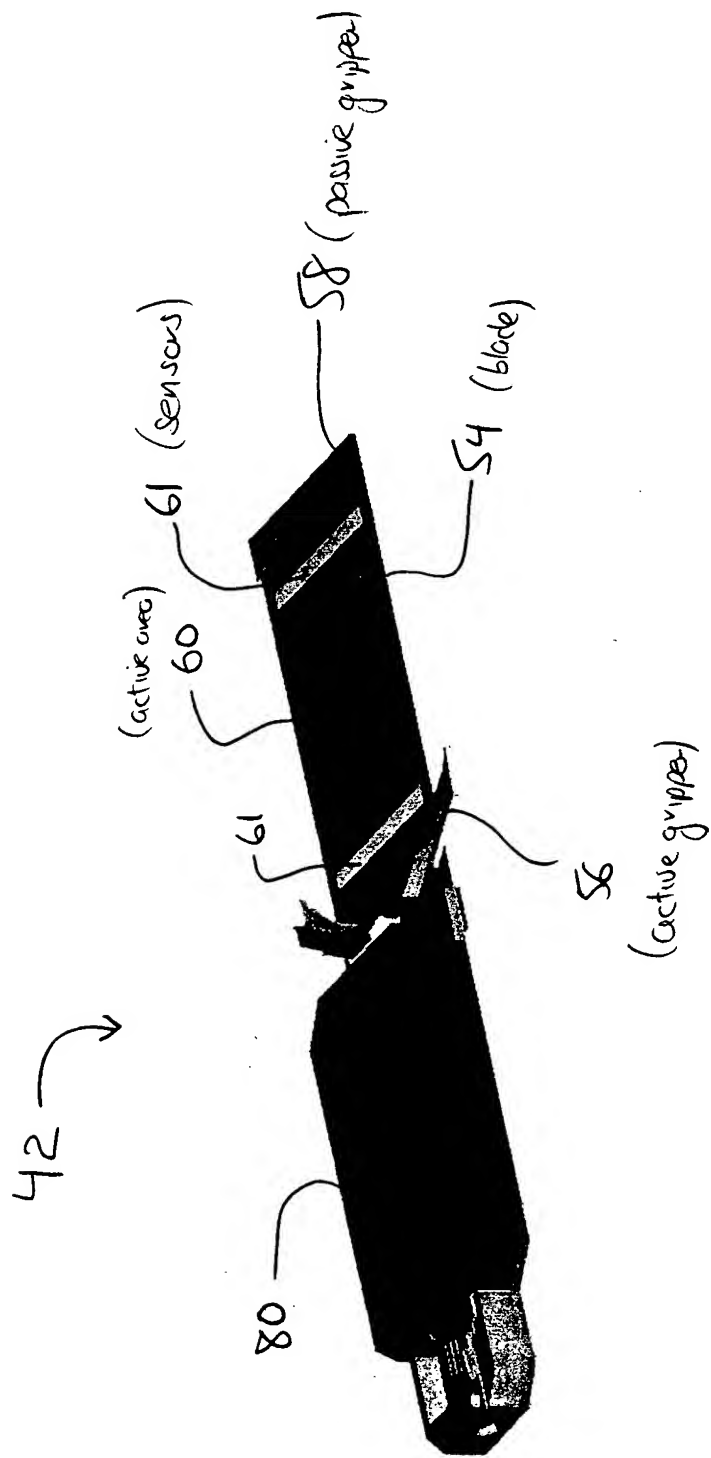


FIG. 5A

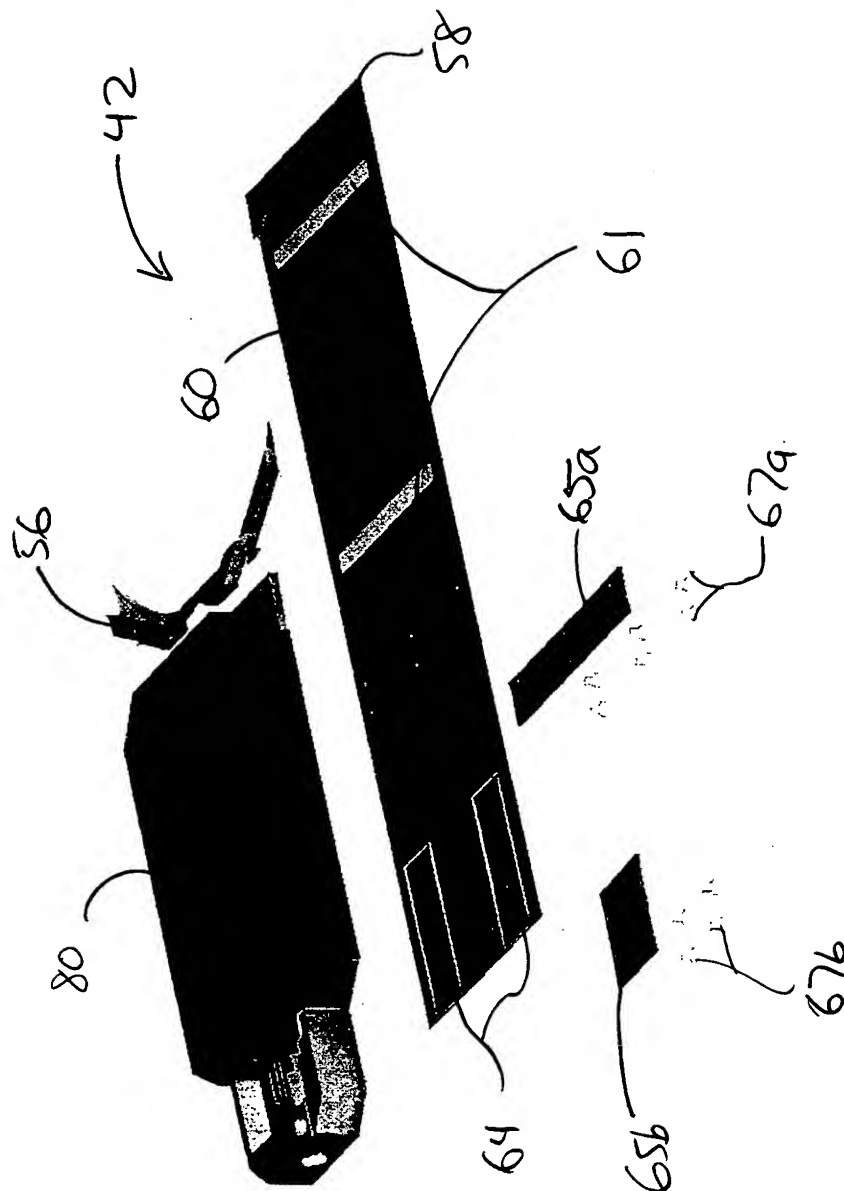


FIG. 5B

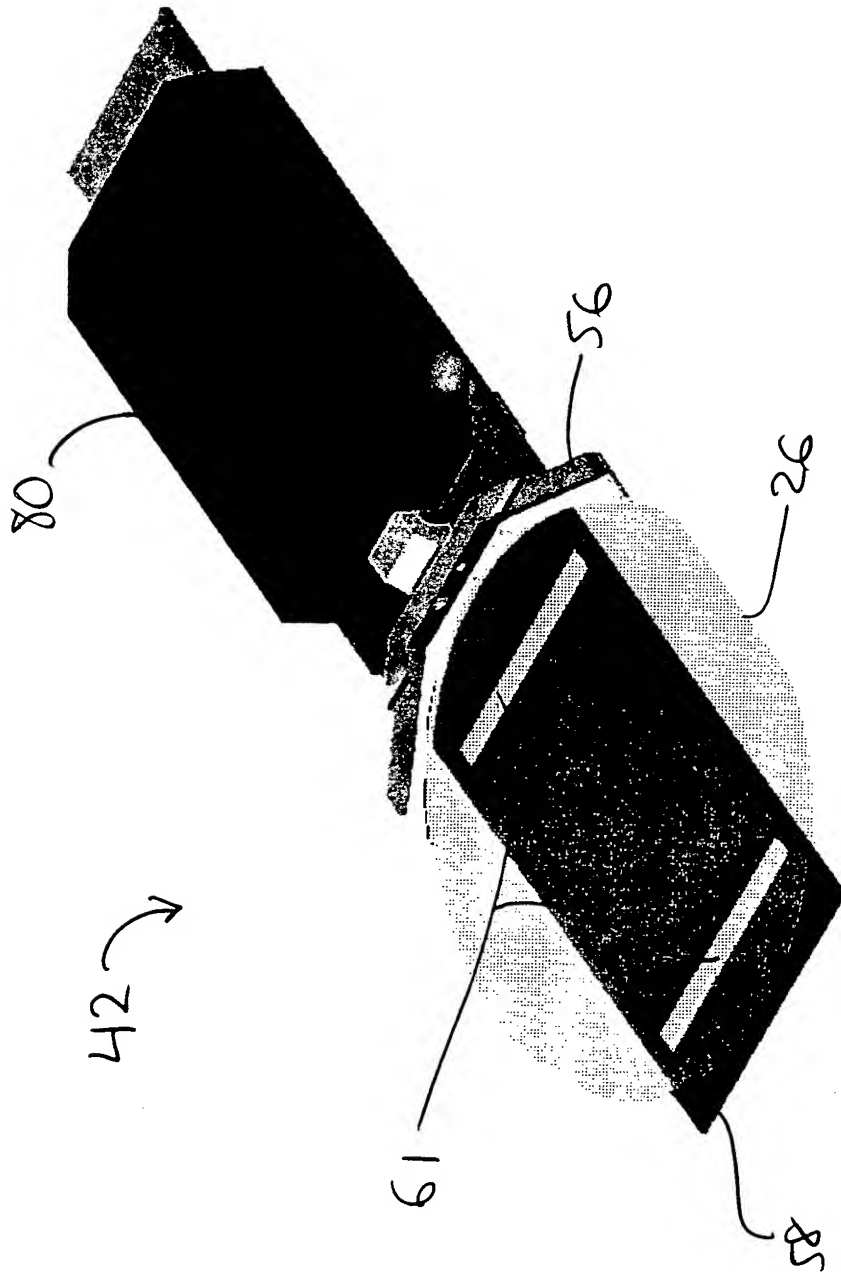


FIG. 6A

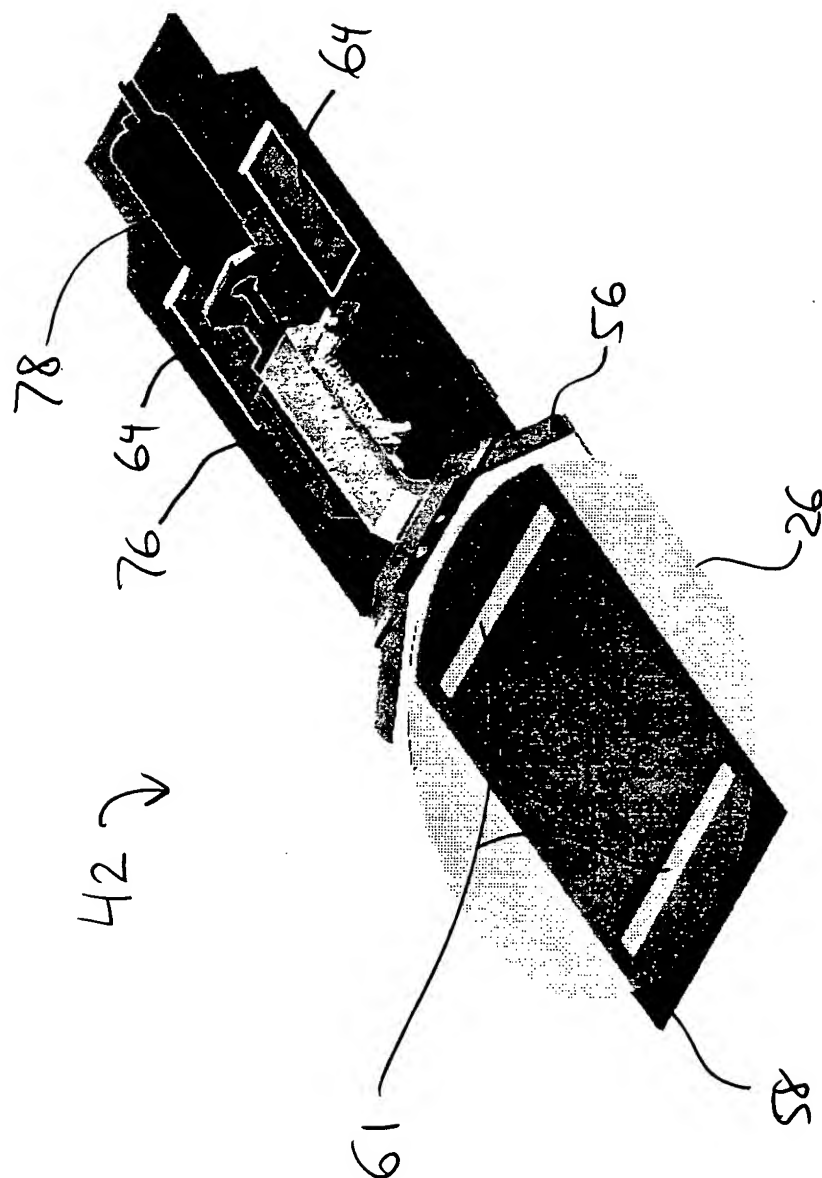
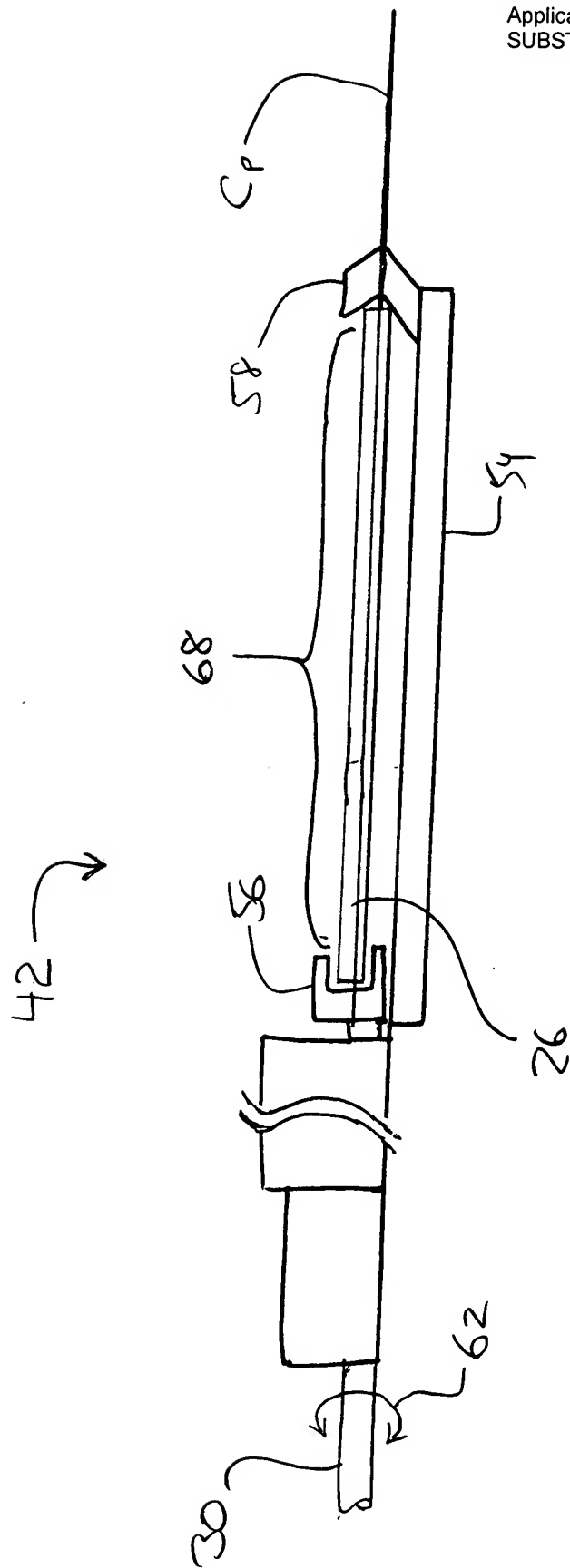
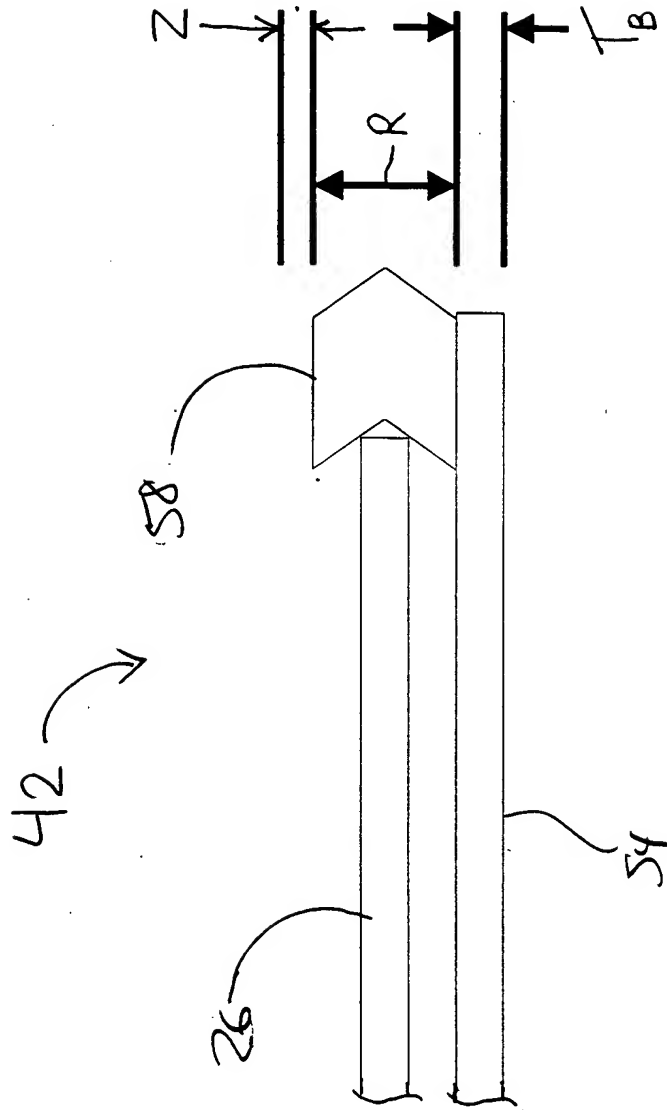


FIG. 6B





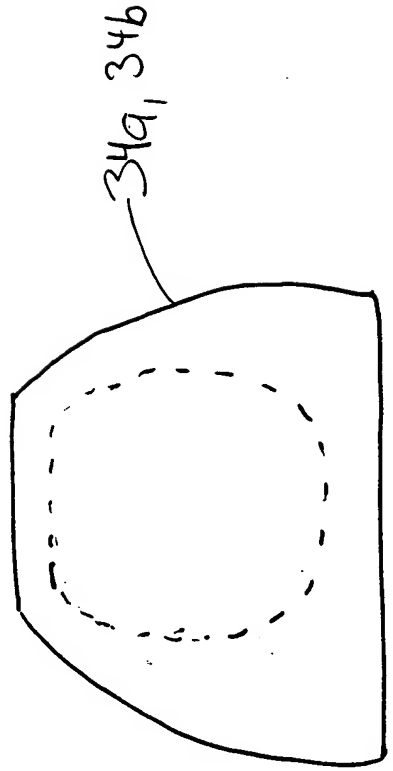


FIG. 9A

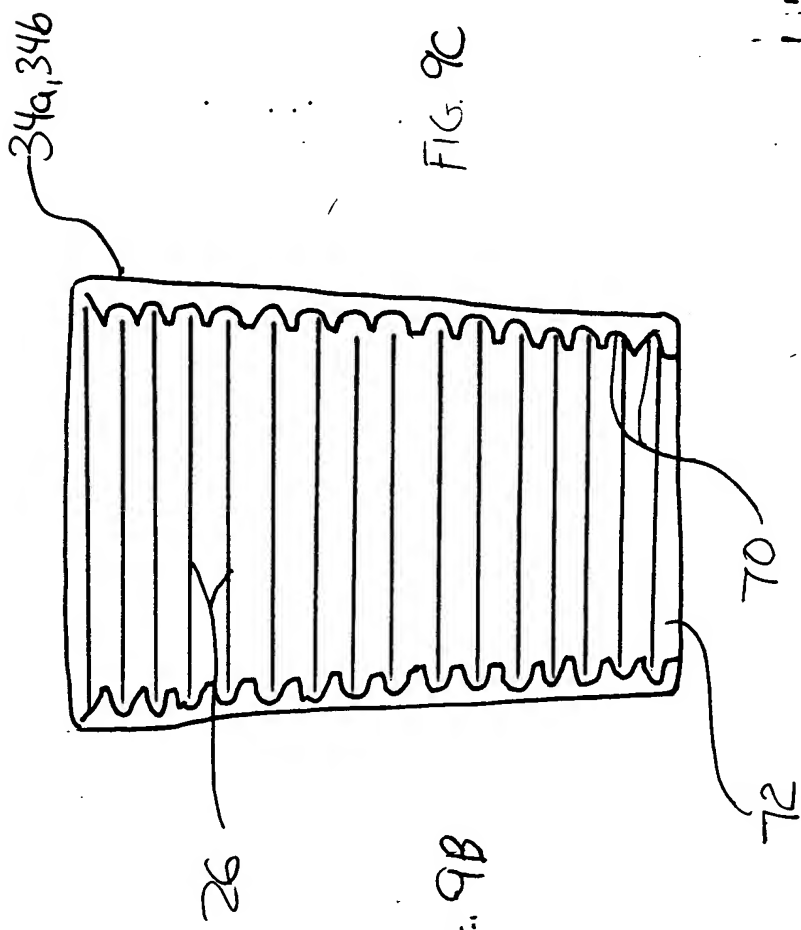


FIG. 9B

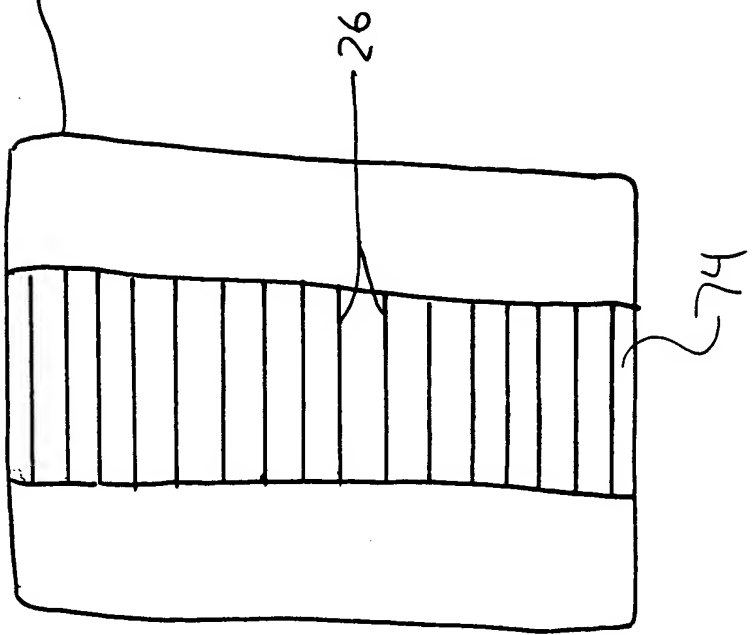


FIG. 9C

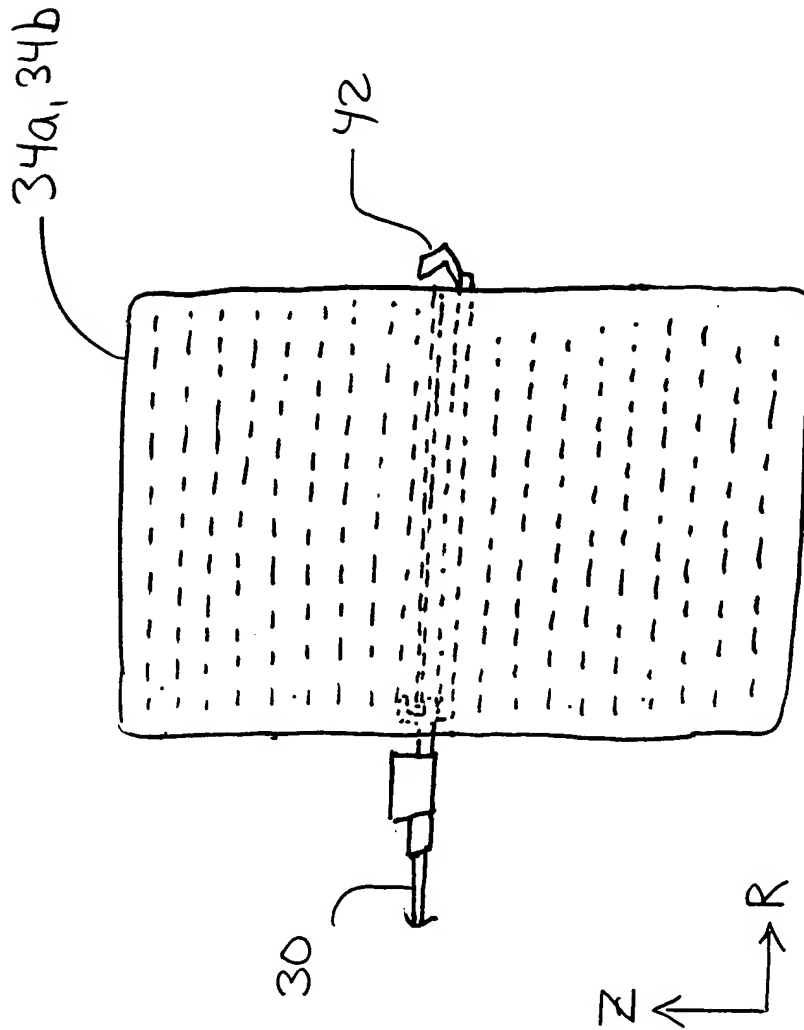


FIG. 10

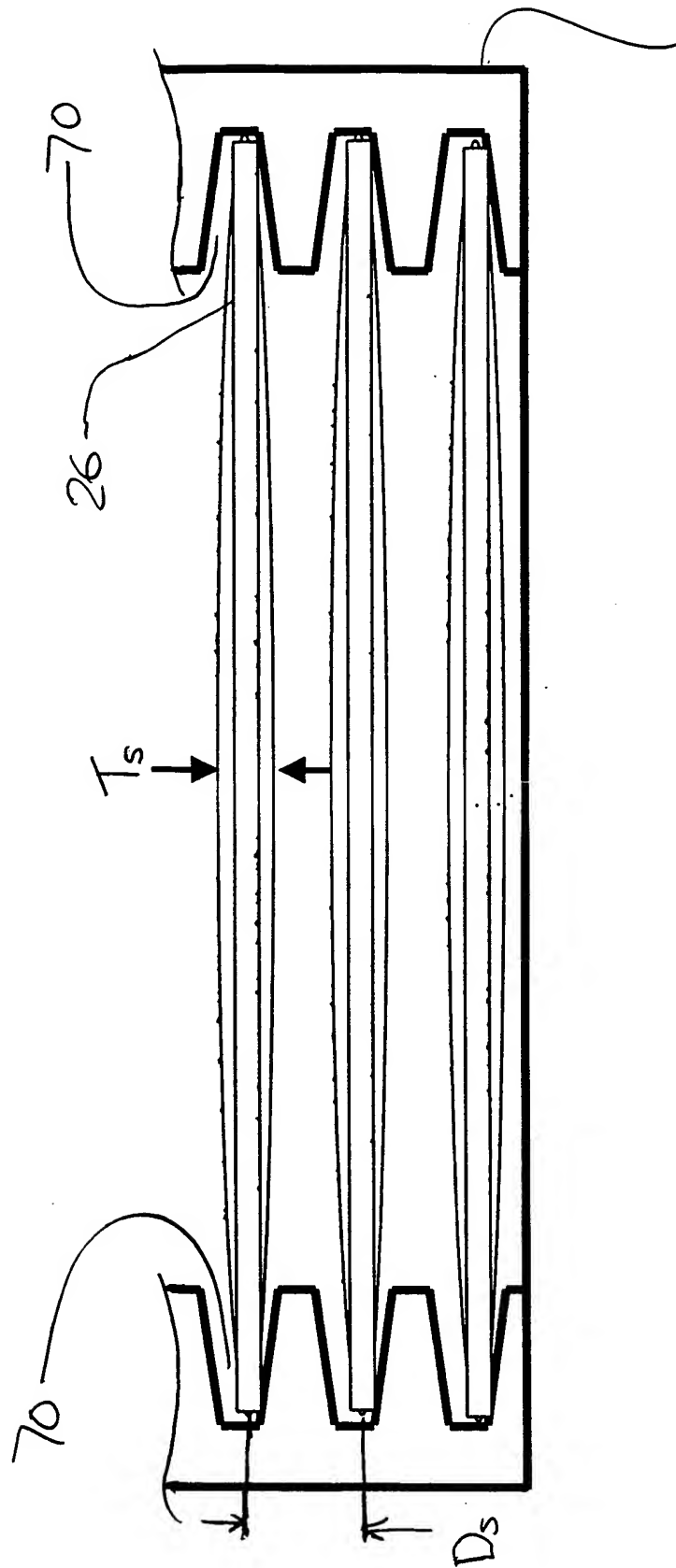


FIG. 11

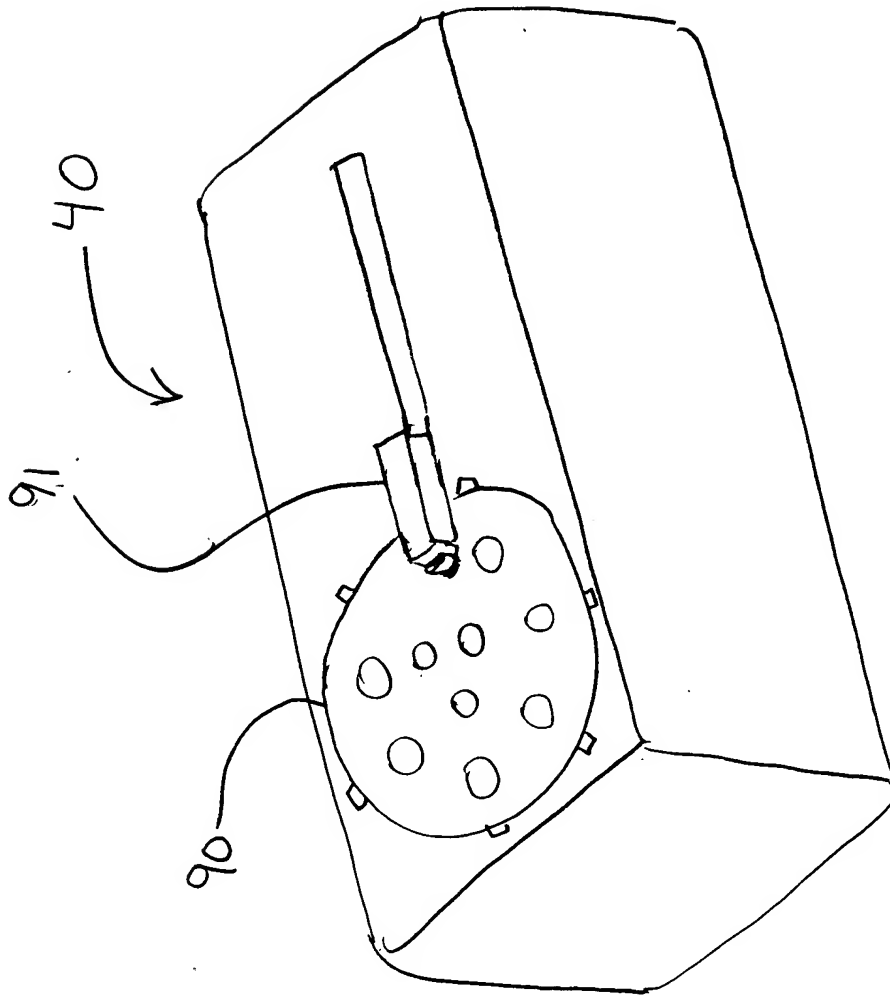
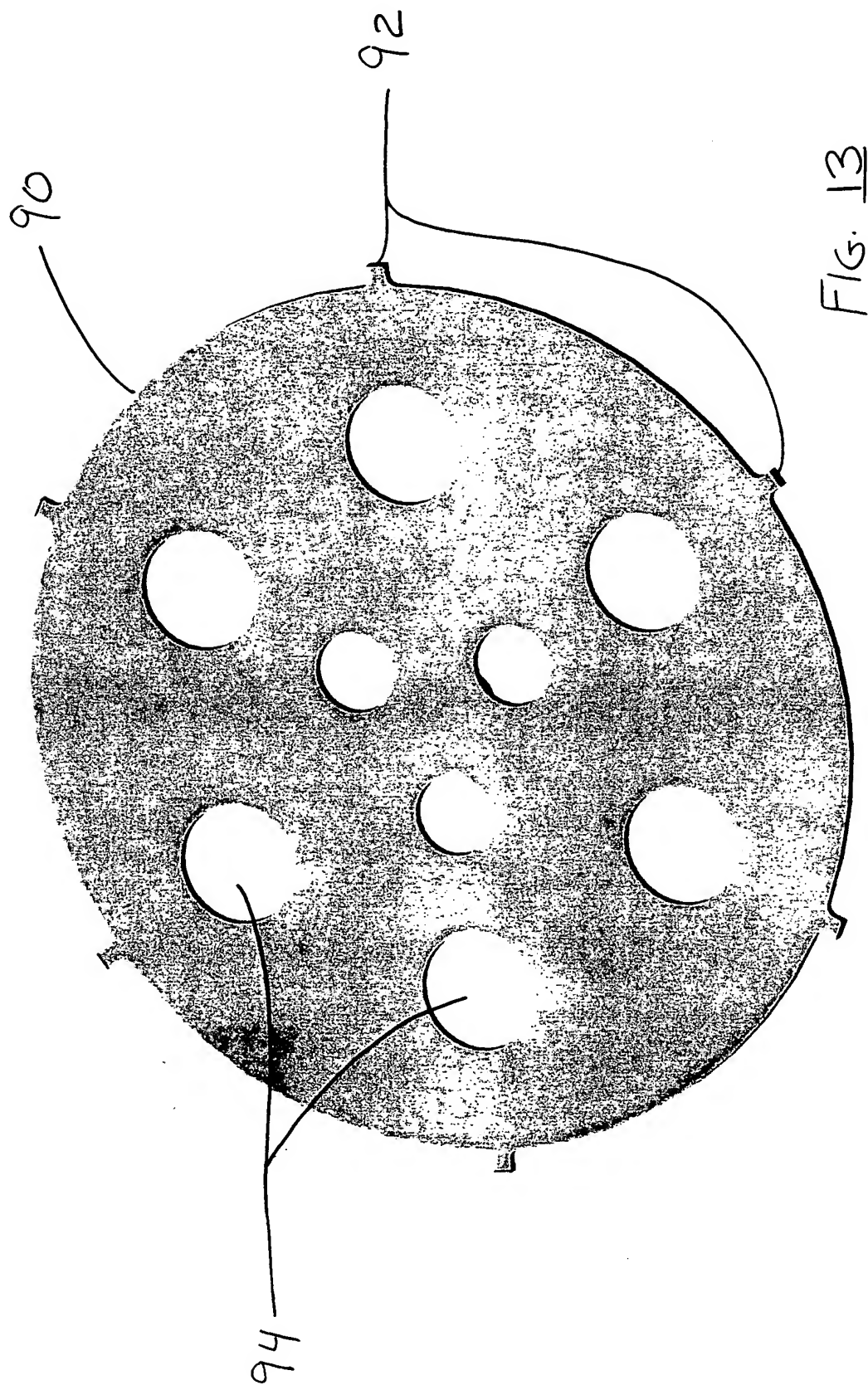


FIG. 12



100

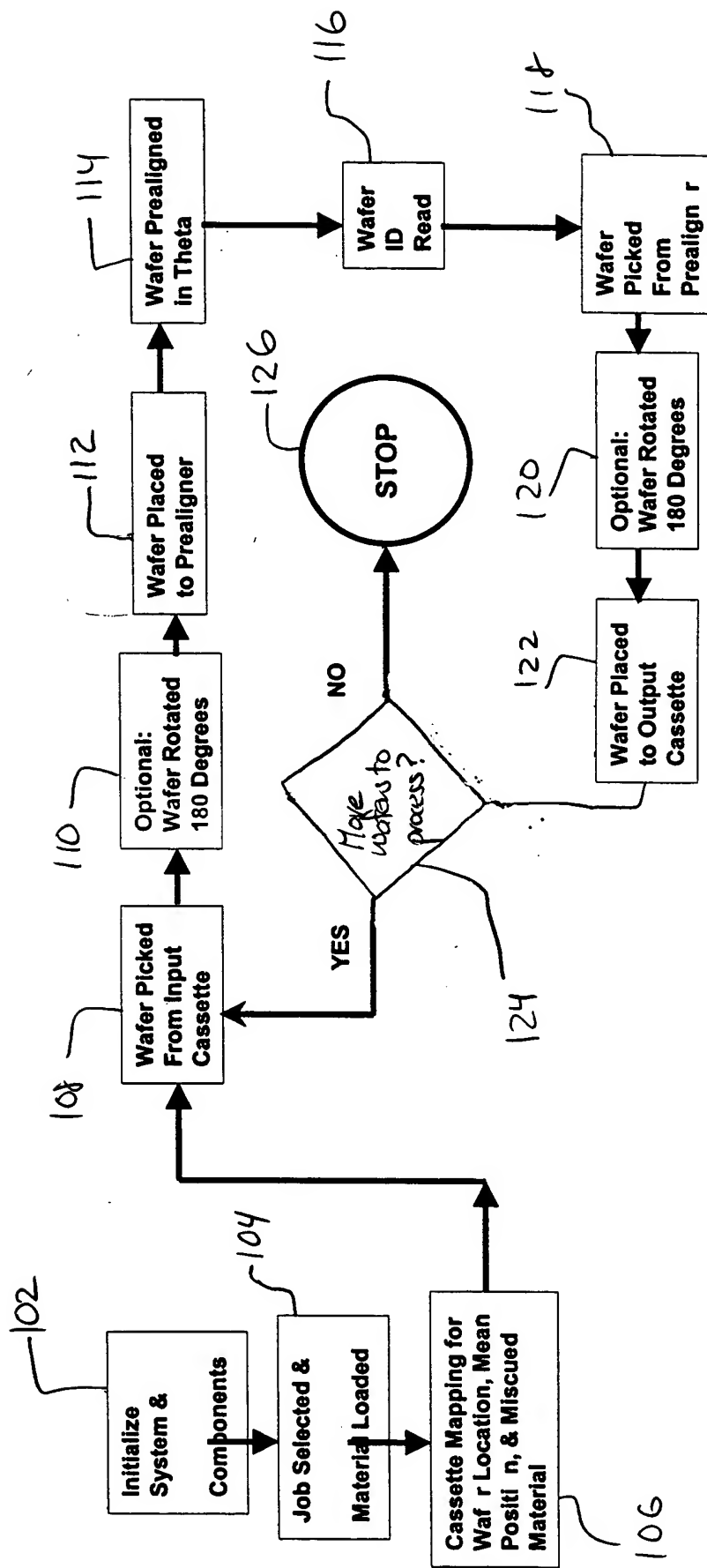


FIG. 14

150 →

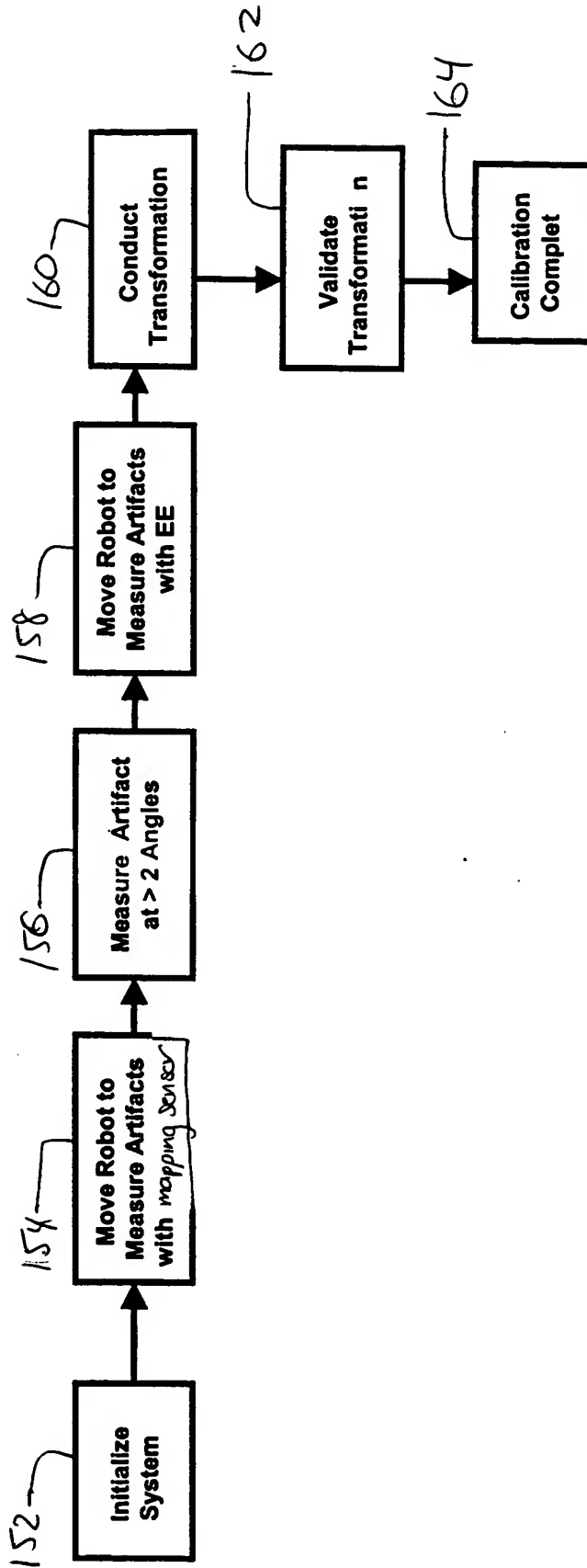


FIG. 15

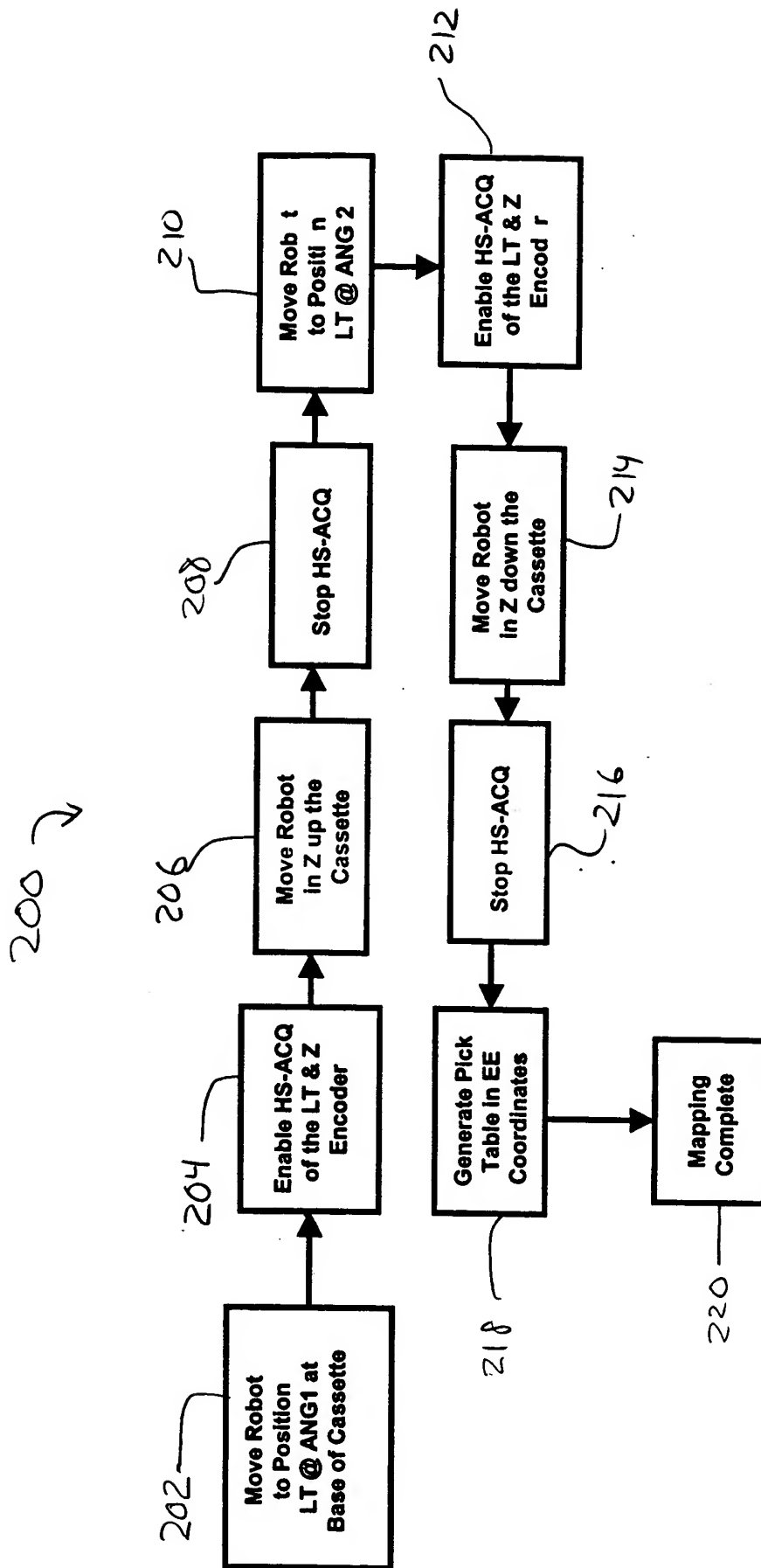


FIG. 16

300 →

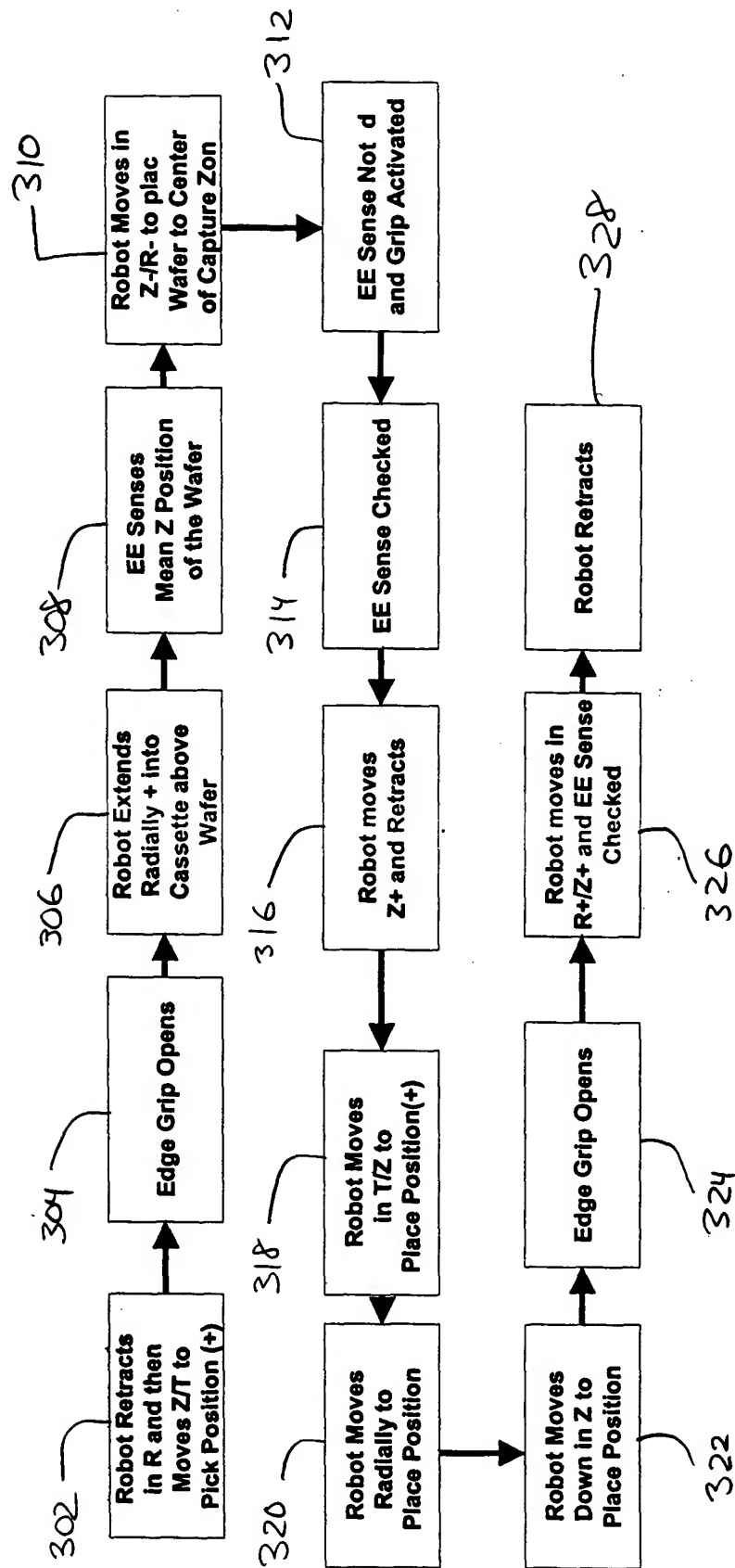


FIG. 17

400 ↗

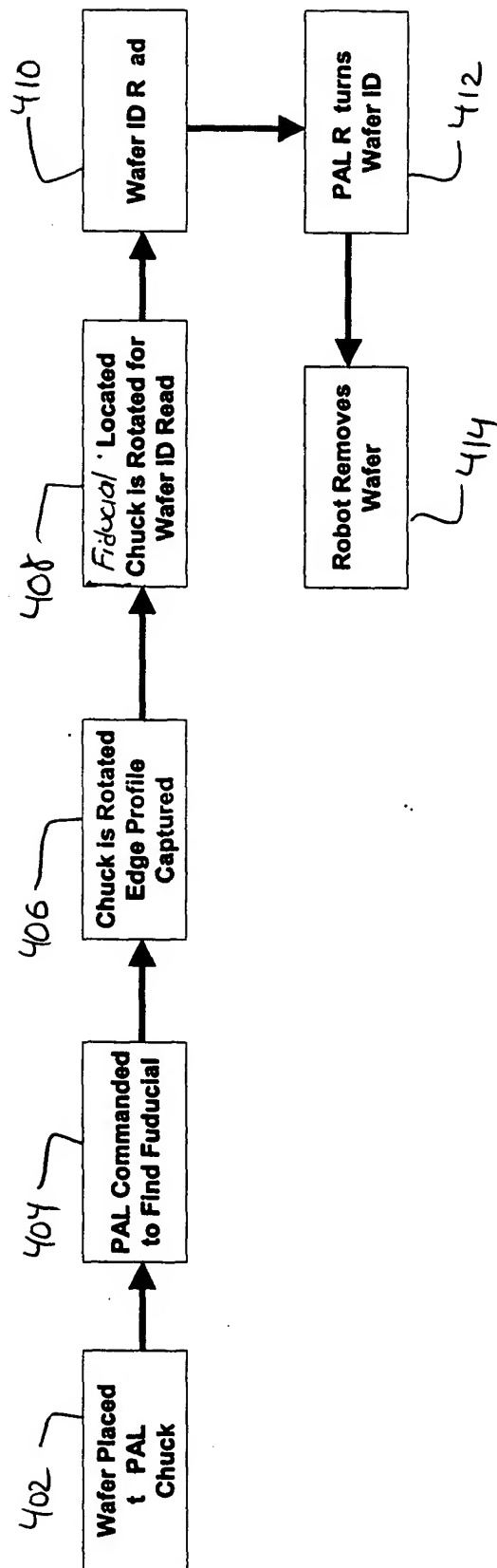


FIG. 18